

Borehole Information

Borehole Number:

105/25/K003/1A/NDQ

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL31/88

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -22.703636 , 27.883524

Location: Lerala

Start Drill: N/A

End Drill: N/A

Borehole Type: Exploration

Drilling Method: Core

Sample Type: Core

Depth of Surface Casing: N/A

Azimuth: Degrees

Hole Inclination: N/A

Collar Elevation: N/A

Borehole Water Strike: N/A

End of Hole (Depth): N/A

Log Formation:

No.	From (m)	To (m)	Log Formation
1.	0	1	Brown Topsoil.
2.	1	3	Calcretised Sand and basement fragments + some free quartz, feldspar and mica Schist.
3.	3	6	Highly weathered brown kimberlite (difficult to distinguish from weathered Schist despite foliation in latter). Variable proportions of inclusions (95-50%) pink granite gneiss, micaceous - Amphiboliteibolite Schist, quartz.
4.	6	23	Fresh to moderately fresh grey, greenish grey or brown grey fine grained featureless hypabyssal kimberlite - rare macrocrystic phlogopite.
5.	23	27	Variable inclusions content 80-50% quartz, k-feldspar, Amphiboliteibolite.
6.	27	34	Moderately fresh hypabyssal kimberlite 80-50% inclusions.
7.	34	43	44m - no sample recovered.
8.	43	48	Qtz and feldspar veined Amphiboliteibolite.
9.	48	67	Amphiboliteibolite
10.	67	75	76m - water.
11.	75	81	82m - chlorite bearing feldspar and Amphiboliteibolite.
12.	81	83	Fine grained light grey featureless hypabyssal kimberlite - occasional
13.	83	86	86-88m no sample.
14.	86	89	89m - 95% inclusions.

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15.	89	90	90m no sample.
16.	90	94	91m - 40% inclusions (Amphiboliteibolite).
17.	94	96	Fine light grey featureless hypabyssal kimberlite. Occasional
18.	96	102	Inclusions 40% to >95% of sample - predominantly Amphiboliteibolite and chloritic feldspar.
19.	102	107	95% + inclusions.
20.	107	109	108m - 90% inclusions.
21.	109	110	110m - 95% + inclusions.

NB: For any enquiries, application, acquisition or verifications related to Water Boreholes, kindly contact the Department of Water and Sanitation for assistance.

